Technical Advisory

INDUSTRIAL CONTROLS

Subject **PACKET FOR MODELS 520C/530C PROGRAMMABLE CONTROLLERS**

Dear 520C/530C User,

Attached to this letter are three technical advisories that contain information which was not available at the time the Models 520C and 530C were first introduced.

Please read these technical advisories carefully and apply the information to your application.

Sincerely,

Technical Publications
Industrial Systems Division
Texas Instruments

Product	PROGRAMMABLE CONTROLLER	No.	520C/530C-003
	520C-1101,1102 530C-1104,1108,1112	Page 1 of 1	
		Issued	09/17/85
Subject	P/C BATTERY	Supercedes	NEW

WARNING

If the P/C is powered down with the battery off or disconnected, or if a battery is replaced with P/C power off, DO NOT power up the P/C with the battery enabled. If the battery is enabled at power-up, the P/C memory is affected and may cause random outputs. Injury to personnel or damage to equipment could result.

To prevent this from happening, always clear the P/C memory after the unit has been powered down without a good battery. The memory can be cleared by first disconnecting the battery or by turning dipswitch #1 off (to the right), and then applying power (dipswitches are located inside the P/C battery door). Finally, the battery should be reconnected and dipswitch #1 turned on (to the left) while the P/C is powered up to provide future memory retention.

2491843-0002

Product	520C/530C Programmable Controller (Models 520C-1102,	No.	520C/530C-001
	Software Configuration 2491816-0002 and higher	Page	1 of 1
		Issued	08/22/85
Subject	EPROM PROGRAMMING CHANGES	Supercedes	NEW

The EPROM Programming function for the 520C/530C Programmable Controllers has been changed to include the following features:

1. If you have a good battery installed in your P/C, once your program has been loaded into the EPROM the P/C will stay in PROGRAM Mode instead of jumping into RUN Mode, as previously designed.

2. If you have a good battery installed in your P/C as well as a programmed EPROM, the P/C will always power-up in the same mode (RUN or PROGRAM) that it was in when you powered-down your P/C.

2491843-0003

Product 520C/530C	No. 520C/530C-004
	Page 1 of 1
	Issued 10/18/85
Subject Using the FIND Functions	Supercedes new

With a 520C/530C programmable controller (P/C), the VPU200 FIND function cannot be used to find box instructions assigned a number greater than 255. If FIND is used for box instructions 256 or greater, the VPU will respond with "Element Not Found", even if the box instruction does exist in the ladder logic program. This will be taken care of in the next software release.

This occurs with Rel. 2.1 software (configuration # 2491816-0004) and earlier.